

Title (en)

REVERSE-ORDER CROSSED PANCAKE LENS WITH AZIMUTHAL COMPENSATION

Title (de)

GEKREUZTES PANCAKE-OBJEKTIV UMGEKEHRTER ORDNUNG MIT AZIMUTALER KOMPENSATION

Title (fr)

OBJECTIF PANCAKE CROISÉ EN SENS INVERSE AVEC COMPENSATION AZIMUTALE

Publication

EP 3803480 A1 20210414 (EN)

Application

EP 18921964 A 20181206

Priority

- US 201862682041 P 20180607
- US 201816159747 A 20181015
- US 2018064363 W 20181206

Abstract (en)

[origin: US2019377184A1] In various embodiments, a reverse-order crossed pancake lens block having an index gradient structure may include an optical element configured to transmit at least a portion of radiation from a radiation source. Moreover, the pancake lens block may include an index-gradient structure that is spaced at a distance from the optical element, the distance configured to provide an optical path length in the pancake lens block. The index-gradient structure may be configured to provide an anti-reflective property to at least one surface of the optical element.

IPC 8 full level

G02B 3/00 (2006.01)

CPC (source: EP US)

G02B 5/3016 (2013.01 - EP); **G02B 5/3058** (2013.01 - US); **G02B 5/3066** (2013.01 - US); **G02B 5/3083** (2013.01 - EP US);
G02B 27/0018 (2013.01 - EP US); **G02B 27/0025** (2013.01 - US); **G02B 27/0037** (2013.01 - US); **G02B 27/0093** (2013.01 - US);
G02B 27/0172 (2013.01 - EP US); **G02B 27/0983** (2013.01 - US); **G02B 27/283** (2013.01 - US); **G02B 27/286** (2013.01 - US);
G02B 27/0093 (2013.01 - EP); **G02B 2027/012** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 11002955 B2 20210511; US 2019377184 A1 20191212; CN 112534308 A 20210319; CN 112534308 B 20230203;
CN 112534335 A 20210319; CN 112543880 A 20210323; CN 112543880 B 20230221; CN 112585522 A 20210330; CN 112585522 B 20230418;
EP 3803479 A1 20210414; EP 3803479 A4 20210714; EP 3803479 B1 20240131; EP 3803480 A1 20210414; EP 3803480 A4 20210728;
EP 3803480 B1 20240424; EP 3803499 A1 20210414; EP 3803499 A4 20210707; EP 3803500 A1 20210414; EP 3803500 A4 20210721;
EP 4357840 A2 20240424; US 11112601 B2 20210907; US 11226482 B2 20220118; US 11226483 B2 20220118; US 2019377176 A1 20191212;
US 2019377182 A1 20191212; US 2019377183 A1 20191212; WO 2019236132 A1 20191212; WO 2019236133 A1 20191212;
WO 2019236134 A1 20191212; WO 2019236135 A1 20191212

DOCDB simple family (application)

US 201816159757 A 20181015; CN 201880096371 A 20181206; CN 201880096414 A 20181206; CN 201880096424 A 20181206;
CN 201880096443 A 20181206; EP 18921577 A 20181206; EP 18921615 A 20181206; EP 18921861 A 20181206; EP 18921964 A 20181206;
EP 24162287 A 20181206; US 2018064361 W 20181206; US 2018064362 W 20181206; US 2018064363 W 20181206;
US 2018064366 W 20181206; US 201816159747 A 20181015; US 201816159752 A 20181015; US 201816160128 A 20181015